



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	09/646,932
Filing Date	September 25, 2000
First Named Inventor	Papadopoulos, Vassilios
Group Art Unit	1642
Examiner Name	Unknown

Sheet 1 of 5

Attorney Docket No: 1941.016US2

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
TD	US-20030157095A1	08/21/2003	Papadopoulos, V.	03/25/1998
↓	US-20060106202A1	05/18/2006	Papadopoulos, V. , et al.	01/13/2006
↓	US-5,350,836	09/27/1994	Kopchick, J. J., et al.	05/04/1992
↓	US-5,407,799	04/18/1995	Studier, F. W.	10/12/1993
↓	US-5,585,479	12/17/1996	Hoke, G. D., et al.	10/12/1993
↓	US-5,663,062	09/02/1997	Sorge, J. A., et al.	11/30/1993
↓	US-5,840,708	11/24/1998	Weiss, B.	12/14/1993
↓	US-5,948,676	09/07/1999	Chang, Y. , et al.	10/10/1996
↓	US-7,267,977	09/11/2007	PAPADOPOULOS, V. , et al.	03/25/1998

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
TD	WO-0001821A2	01/13/2000	Lal, P. , et al.	
↓	WO-0009549A2	02/24/2000	Papadopoulos, V.	
↓	WO-9949316A2	09/30/1999	Papadopoulos, V. , et al.	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

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TD		"Application Serial No. 09-762594 (Atty Ref 1941.015US1) Final Office Action mailed 12-14-2004", 17	
↓		"Application Serial No. 09-762594 (Atty Ref 1941.015US1) Non Final Office Action mailed 6-23-2004", 17 pgs	
↓		"Application Serial No. 09-762594 (Atty Ref 1941.015US1) Notice of Allowance mailed 8-30-2005", 4 pgs	
↓		"Application Serial No. 09-762594 (Atty Ref 1941.015US1) Response filed 9-23-2004 to Non Final Office Action mailed 6-23-04", 15 pgs	
↓		"Application Serial No. 11/331,940 (Atty Ref 1941.015US2) Preliminary Amendment filed 1-13-06", 7 pgs	
↓		"Application Serial No. 11/331,940 (Atty Ref 1941.015US2) Response to Restriction Requirement filed 9-12-07", 7 pgs	
↓		"Application Serial No. 11/331,940 (Atty Ref 1941.015US3) Restriction Requirement mailed 6-12-07", 10 pgs	
↓		"Australian Application No. 2004203650 Non Final Office Action mailed 10-27-06", 8 pgs	
↓		"Australian Application No. 2004203650 Response filed 6-7-07 to Non Final Office Action mailed 10-27-06", 11 pgs	
↓		"Canadian Application No. 2339328 Office Action dated 2-5-07", 4 pgs	
↓		"Canadian Application No. 2339328 Office Action mailed 5-17-06", 11 pgs	

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TD		"Canadian Application No. 2339328 Office Action Response dated 8-1-07 to Office Action dated 5-17-06", 16 pgs	
		"Canadian Application No. 2339328 Office Action Response filed 11-2-06 to Canadian Office Action mailed 5-17-06", 7 pgs	
		"European Application No. 99 943 703.1 Office Action dated 10-21-05", 6 pgs	
		"European Application No. 99 943 703.1 Office Action dated 11-28-05", 4 pgs	
		"European Application No. 99 943 703.1 Office Action dated 4-13-05", 3 pgs	
		"European Application No. 99 943 703.1 Office Action Response dated 5-23-06", 4 pgs	
		"International Search Report in PCT/US99/18507", (June 15, 2000), 7 Pages	
		"International Search Report in PCT/US 99/05853", 5 Pages	
		AHN, A. H., et al., "The Structural and Functional Diversity of Dystrophin", <u>Nature Genetics</u> , 3, (Apr., 1993), 283-291	
		BOYLE, T P., et al., "Structure of the murine gene encoding apolipoprotein A-I.", <u>Gene</u> , 117(2), (August 15, 1992), 243-247	
		BRANCH, A. D., "A Good Antisense Molecule is Hard to Find", <u>Trends Biochem Sci.</u> , 23(2), (Feb., 1998), 45-50	
		CASALOTTI, S. O., et al., "Structure of the rat gene encoding the mitochondrial benzodiazepine receptor", <u>Gene</u> , 121(2), (Nov., 16, 1992), 377-381	
		CAWTHON, R. M., et al., "cDNA Sequence and Genomic Structure of EV12B, a Gene Lying within an Intron of the Neurofibromatosis Type 1 Gene", <u>Genomics</u> , 9, (1991), 446-460	
		DON, J., et al., "Identification and characterization of the regulated pattern of expression of a novel mouse gene, meg1, during the meiotic cell cycle", <u>Cell Growth Differ.</u> , 3(8), (August 1992), 495-505	
		DON, J., "M. musculus mRNA meg1", <u>Database EMBL [Online] AC X64455</u> , (02/21/1992), 2 Pages	
		DREXLER, H. G., et al., "Recent results on the biology of Hodgkin and Reed-Sternberg cells. II. Continuous cell lines", <u>Leukemia and Lymphoma</u> , 9(1-2), German Collection of Microorganisms & Cell Cultures, (1993), 1-25	
		ELLIS, L. M., et al., "Down-regulation of vascular endothelial growth factor in a human colon carcinoma cell line transfected with an antisense expression vector specific for c-src", <u>The Journal of Biological Chemistry</u> , 273(2), (Jan. 9, 1998), 1052-1057	
		EMBLETON, M. J., et al., "Monoclonal antibodies to osteogenic sarcoma antigens", <u>Monoclonal Antibodies and Cancer</u> , Marcel Dekker, New York & Basel, (1984), 181-207	
		EVER, L., et al., "Two alternatively spliced Meig1 messenger RNA species are differentially expressed in the somatic and in the germ-cell compartments of the testis", <u>Cell Growth Differ.</u> , 10(1), (January 1999), 19-26	

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TD		FARGES, R , "Site-directed mutagenesis of the peripheral benzodiazepine receptor: identification of amino acids implicated in the binding site of Ro5-4864", <u>Mol. Pharmacol.</u> , 46(6), (December 1994),1160-7	
		GALIEGUE, S. , et al., "Cloning and Characterization of PRAX-1 - A New Protein that Specifically Interacts with the Peripheral Benzodiazepine Receptor", <u>The Journal of Biological Chemistry</u> , 274(5), (Jan. 29, 1999),2938-2952	
		GARNIER, M. , et al., "Diazepam binding inhibitor is a paracrine/autocrine regulator of Leydig cell proliferation and steroidogenesis: action via peripheral-type benzodiazepine receptor and independent mechanisms", <u>Endocrinology</u> , 132(1), (January 1993),444-458	
		GLENNEY, J R., "The sequence of human caveolin reveals identity with VIP21, a component of transport vesicles.", <u>FEBS Letters</u> , 314(1), (December 7, 1992),45-48	
		HARDWICK, M. , et al., "Abstract #1569 The Peripheral-type Benzodiazepine Receptor in Human Breast Cancer", <u>Proceedings of the American Association for Cancer Research</u> , 38, (Apr.12, 1997),233	
		HARDWICK, M. , "Peripheral-Type Benzodiazepine Receptor (PBR) in Human Breast Cancer: Correlation of Breast Cancer Cell Aggressive Phenotype with PBR Expression, Nuclear Localization, and PBR-mediated Cell Proliferation and Nuclear Transport of Cholesterol", <u>Cancer Research</u> , 59(4), (1999),831-842	
		HARDWICK, M. , et al., "Peripheral-type benzodiazepine receptor (PBR) in human breast cancer: correlation of breast cancer cell aggressive phenotype with PBR expression, nuclear localization, and PBR-mediated cell proliferation and nuclear transport of cholesterol.", <u>Cancer Research</u> , 59(4), XP002114583,(Feb. 15, 1999),831-42	
		HARRIS, P. C., et al., "Polycystic Kidney Disease 1: Identification and Analysis of the Primary Defect", <u>Journal of the American Society of Nephrology</u> , 6, (1995),1125-1133	
		HSU, "Tissue Culture", In <u>Tissue Culture Methods and Applications</u> , Kruse and Patterson, Eds, Academic Press, NY, (1973),764-767	
		KOZIKOWSKI, A. P., et al., "Synthesis and Biology of a 7-Nitro-2,1,3-benzoxadiazol-4-yl Derivative of 2-Phenylindole-3-acetamide: A Fluorescent Probe for the Peripheral-Type Benzodiazepine Receptor", <u>Journal of Medicinal Chemistry</u> , 40(16), (Aug. 1997),2435-2439	
		KRUEGER, K. E., "Peripheral-type Benzodiazepine Receptors Mediate Translocation of Cholesterol from Outer to Inner Mitochondrial Membranes in Adrenocortical Cells", <u>The Journal of Biological Chemistry</u> , 265(25), (1990),15015-15022	
		KUNKEL, P. , et al., "Expression and localization of scatter factor/hepatocyte growth factor in human astrocytomas", <u>Neuro-oncology</u> 3 (2), (2001),82-88	

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TD		PAPADOPOULOS, VASSILIOS, et al., "The Peripheral-type Benzodiazepine Receptor Is Functionally Linked to Leydig Cell Steroidogenesis", <u>Journal of Biological Chemistry</u> 265(7), (March 5, 1990),3772-3779	
		PAWLIKOWSKI, M., et al., "Inhibition of Cell Proliferation of Human Gliomas by Benzodiazepines in vitro", <u>Acta Neurol Scand.</u> , 77(3), XP002114582,(Mar. 1988),231-233	
		PIKULEVA, IRINA A., "Active-site topology of bovine cholesterol side-chain cleavage cytochrome P450 (P450 _{scc}) and evidence for interaction of tyrosine 94 with the side chain of cholesterol", <u>Archives of Biochemistry and Biophysics</u> , 322(1), (September 10, 1995),189-97	
		RESNICOFF, M., et al., "Inhibition of rat C6 glioblastoma tumor growth by expression of insulin-like growth factor I receptor antisense mRNA", <u>Cancer Immunol. Immunother.</u> , 42(1), (1996),64-68	
		RIOND, J., et al., "Molecular cloning and chromosomal localization of a human peripheral-type benzodiazepine receptor", <u>European Journal of Biochemistry</u> , 195(2), (Jan., 1991),305-311	
		RUTKA, J. T., et al., "Effects of antisense glial fibrillary acidic protein complementary DNA on the growth, invasion, and adhesion of human astrocytoma cells", <u>Cancer Res.</u> , 54(12), (June 15, 1994),3267-72	
		SAMBROOK, J., et al., <u>Molecular Cloning - a Laboratory Manual</u> , 2d Edition, Cold Spring Laboratory Press,(1989),9.47-9.62	
		SHER, I, et al., "Mutations uncouple human fibroblast growth factor (FGF)-7 biological activity and receptor binding and support broad specificity in the secondary receptor binding site of FGFs.", <u>Journal of Biological Chemistry</u> , 274(49), (December 3, 1999),35016-35022	
		SU, P., "A cDNA encoding a rat mitochondrial cytochrome P450 catalyzing both the 26-hydroxylation of vitamin D3: gonadotropic regulation of the cognate mRNA in ovaries", <u>DNA and Cell Biology</u> 9(9), (Nov., 1990),657-67	
		TIAN, J., et al., "The Expression of Native and Cultured RPE grown on Different Matrices", <u>Physiol Genomics</u> , 17, (2004),170-182	
		VAN, D. D., et al., "Monosomy 21 in hematologic diseases", <u>Cancer Genetics and Cytogenetics</u> , 241, (2003),137-141	
		WAKI, M., et al., "Antisense src expression inhibits U937 human leukemia cell proliferation in conjunction with reduction of c-myc expression.", <u>Biochem Biophys Res Commun.</u> , 201(2), (June 15, 1994),1001-7	
		YAKOVLEV, A. G., et al., "GenBank TM Database Entry", <u>Accession No. U12421</u> , (1995),	
		ZASLAV, A. L., et al., "Significance of a Prenatally Diagnosed del (10) (q23)", <u>Amer J Medical Genetics</u> , 107, (2002),174-176	

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TD		LI, HUA , et al., "Identification, Localization, and Funtion in Steroidogenesis of PAP7: A Peripheral-Type Benzodiazepine Receptor- and PKA (RI?N)-Associated Protein", <u>Molecular Endocrinology</u> 15(12), (2001),2211-2228	
		LI, H. , et al., "M. musculus peripheral benzodiazepine receptor associated protein", <u>Database EMBL [Online]</u> AC AF022770, (October 1, 1997),1 page	
		LI, H. , et al., "Peripheral-type benzodiazepine receptor function in cholesterol transport. Identification of a putative cholesterol recognition/interaction amino acid sequence and consensus pattern", <u>Endocrinology</u> , 139(12), (1999),4991-4997	
		LIU, JUN , et al., "Molecular cloning, chromosomal localization of human peripheral-type benzodiazepine receptor- and protein kinase A regulatory subunit type 1A (PRKAR1A)-associated protein PAP7 and studies in PRKAR1A mutant cells and tissues", <u>The FASEB Journal</u> , express article, 10.1096/fj.02-1066fje,(April 8, 2003),27 pgs.	
		LU, C. , et al., "Endogenous Interleukin 6 Can Function as an in Vivo Growth-stimulatory Factor for Advanced-Stage Human Melanoma Cells", <u>Clinical Cancer Research</u> , 2(8), (1996),1417-1425	
		MARRA, M. , et al., "mo98e12.rl Stratagene mouse testis (#937308) Mus musculus cDNA clone", <u>Database EMBL [Online]</u> AC AA174581, (Dec. 31, 1996),2 Pages	
		MIETTINEN, H. , "Expression of peripheral-type benzodiazepine receptor and diazepam binding inhibitor in human astrocytomas: relationship to cell proliferation", <u>Cancer Research</u> , 55(12), (June 15, 1995),2691-2695	
		MOSER, P. C. , "Potentiation of 5-Methoxy-N,N-Dimethyltryptamine-Induced Head-Twitches by Diazepam: Evidence for Involvement of Adenosine Uptake Inhibition", <u>Drug Development Research</u> , 30(4), (1993),213-218	
		PAPADOPOULOS, V. , et al., "CHOLESTEROL RECOGNITION SEQUENCE", <u>US Patent Application Ser. No. 09/623,922</u> , filed September 11, 2000 (1941.017US1).	
		PAPADOPOULOS, V. , et al., "PERIPHERAL-TYPE BENZODIAZEPINE RECEPTOR: A TOOL FOR DETECTION, DIAGNOSIS, PROGNOSIS, AND TREATMENT OF CANCER", <u>US Patent Application Ser. No. 09/646,932</u> , filed September 25, 2000 (1941.016US2).	
		PAPADOPOULOS, V. , "Structure and function of the peripheral-type benzodiazepine receptor in steroidogenic cells", <u>Proceedings of the Society for Experimental Biology & Medicine</u> , 217(2), (February 2, 1998),130-142	
		PAPADOPOULOS, V. , "Targeted Disruption of the Peripheral-Type Benzodiazepine Receptor Gene Inhibits Steroidogenesis in the R2C Leydig Tumor Cell Line", <u>The Journal of Biological Chemistry</u> , 272(51), (1997),32129-32135	

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